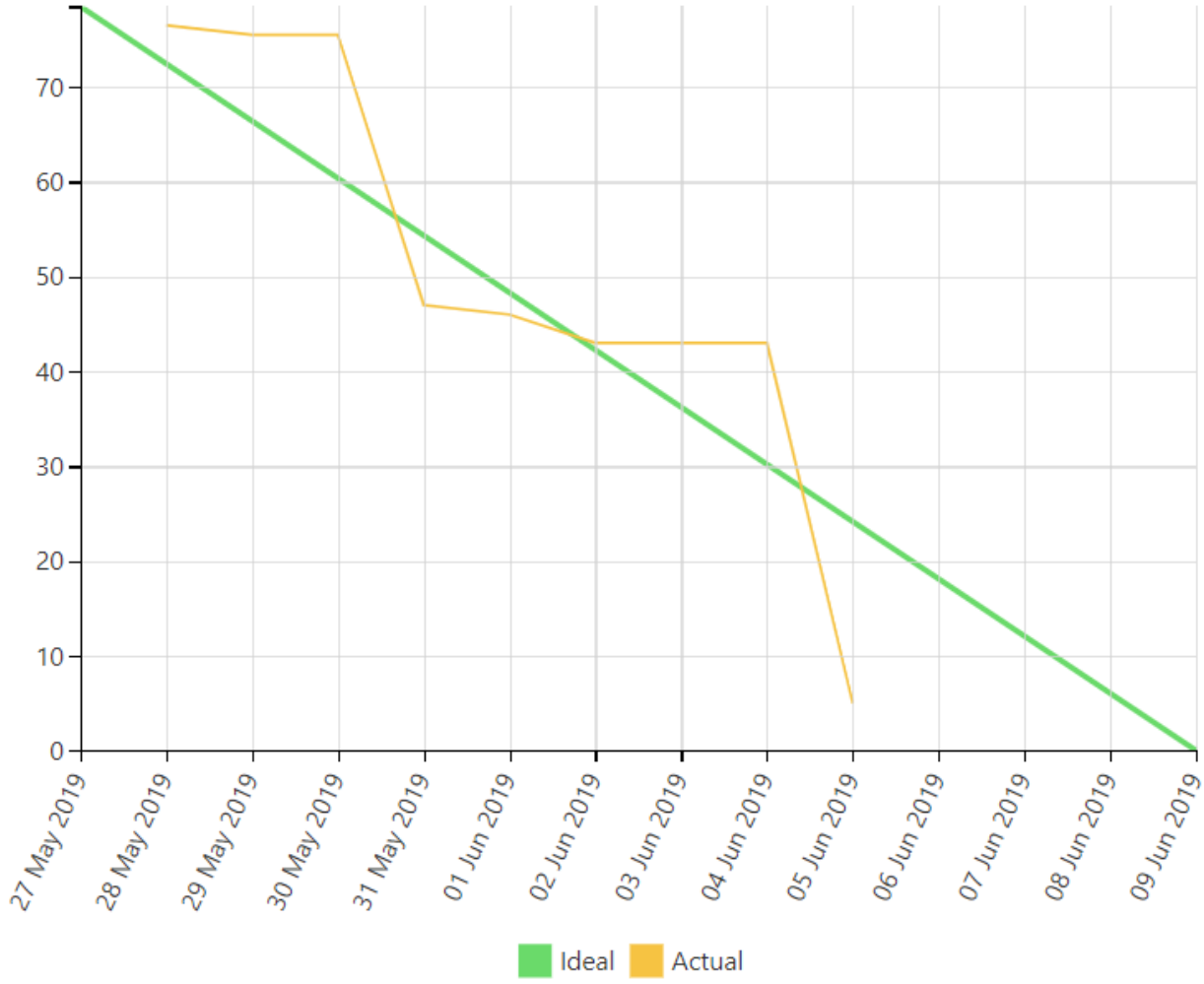
# Building a Burndown Chart

## Overview

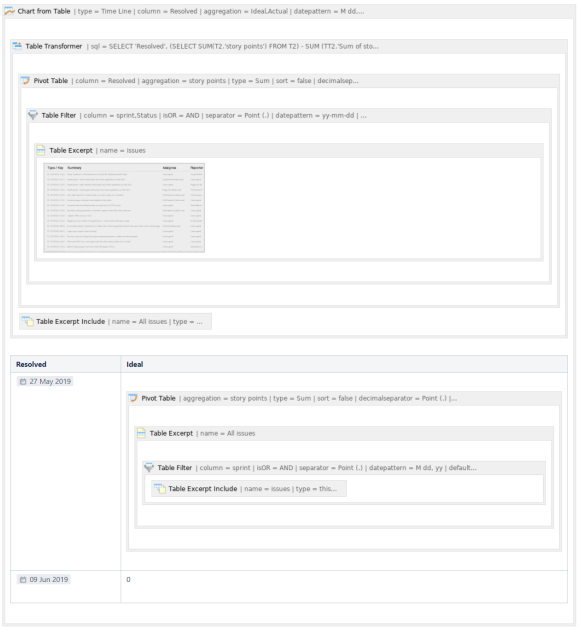
**The Source Table:**

| Key | T | Status | Sprint | Story Points | Resolved |
|---|---|---|---|---|---|
| ECS-100 | | DONE | ECS Sprint 3 | 5.0 | Jun 05, 2019 |
| ECS-11 | | DONE | ECS Sprint 3 | 20.0 | Jun 05, 2019 |
| ECS-68 | | DONE | ECS Sprint 3 | 8.0 | May 31, 2019 |
| ECS-34 | | DONE | ECS Sprint 3 | 2.0 | May 28, 2019 |
| ECS-51 | | DONE | ECS Sprint 3 | 0.5 | May 31, 2019 |
| ECS-26 | | DONE | ECS Sprint 3 | 13.0 | Jun 05, 2019 |
| ECS-101 | | DONE | ECS Sprint 3 | 0.5 | Jun 01, 2019 |
| ECS-91 | | DONE | ECS Sprint 3 | 3.0 | Jun 02, 2019 |
| ECS-97 | | DONE | ECS Sprint 3 | 20.0 | May 31, 2019 |
| ECS-65 | | DONE | ECS Sprint 3 | 0.5 | Jun 01, 2019 |
| ECS-80 | | DONE | ECS Sprint 3 | 1.0 | May 29, 2019 |

**The Result:**




## Macro combination (the chart is based on two transformed pivot tables):



**Step 1. Configure Table1:**

1. Insert the **Jira Issues** macro.
2. Wrap the Jira Issues macro in the **Table Filter** macro.
3. Wrap the Table Filter macro in the **Pivot Table** macro.
4. Insert the Jira issues macro with all the issues from the particular sprint (or use the Table Excerpt and Table Excerpt Include macros to reuse the filtered Jira Issues macro from Table2).
5. Wrap the Pivot Table macro and the Jira Issues macro in the **Table Transformer** macro.

**Step 2. Configure Table2:**

1. Insert the **Jira Issues** macro (or use one Jira issues macro for both tables with the help of the Table Excerpt and Table Excerpt Include macros).

2. Wrap the Jira Issues macro in the **Table Filter** macro.
3. Wrap the Table Filter macro in the **Table Excerpt** macro to reuse this table in Table1.
4. Wrap the Table Filter macro in the **Pivot Table** macro.
5. Place the Pivot Table macro in a cell of a manually created table containing start and end dates of a sprint.

**Step 3. Wrap Table1 and Table2 in the Chart from Table macro.**

## Macro configuration:

**Step 1. Configure Table1:**

**Table Filter:**

| | | |
|---|---|---|
| **Filter Column** | Status | Sprint |
| **Filter Type** | Dropdown | Dropdown |
| **Filter Values** | Done | ECS Sprint 3 |

**Pivot Table:**

| | |
|---|---|
| **Row Labels** | Resolved |
| **Column Labels** | - |
| **Calculated Column** | Story points |
| **Operation Type** | Sum |

**Table Transformer:**
Use the following SQL query:

```
SELECT 'Resolved',
(SELECT SUM(T2.'story
points') FROM T2) - SUM
(TT2.'Sum of story
points') AS 'Actual'
FROM T1 AS TT1
JOIN T1 AS TT2 on
TT1.'Resolved' >=
TT2.'Resolved'
GROUP BY TT1.'Resolved'
ORDER BY TT1.'Resolved'
```

Or use this one if the **Cumulative count** option (available since the 7.4.0 version of the app) is enabled in Pivot Table:

```
SELECT 'Resolved',
(SELECT SUM(T2.'Story
points') FROM T2) - SUM
(T1.'Sum of Story points')
AS 'Actual'
FROM T1
GROUP BY T1.'Resolved'
ORDER BY T1.'Resolved'
```

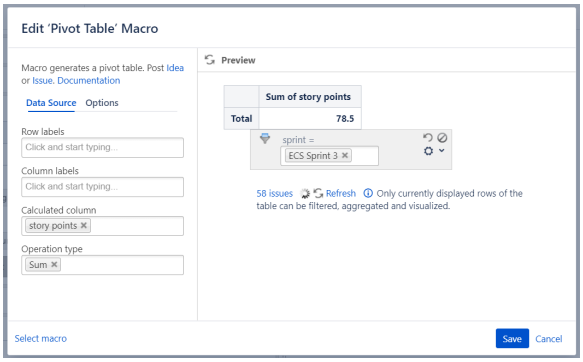
**Step 2. Configure Table2:**

**Table Filter:**

| | |
|---|---|
| **Filter Column** | Sprint |
| **Filter Type** | Dropdown |
| **Filter Values** | ECS Sprint 3 |

**Pivot Table:**

| | |
|---|---|
| **Row Labels** | - |
| **Column Labels** | - |
| **Calculated Column** | Story points |
| **Operation Type** | Sum |




**Step 3.** Wrap Table1 and Table2 in the **Chart from Table** macro.

**Chart from Table:**

| | |
|---|---|
| **Type** | Time Line |
| **Dates Column** | Resolved |
| **Values Column** | Ideal, Actual |

